99/13

II.V.63 - Maurice W. Levy.

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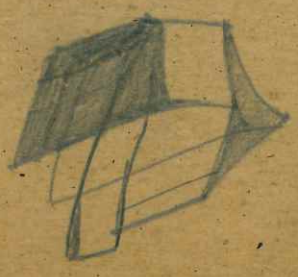
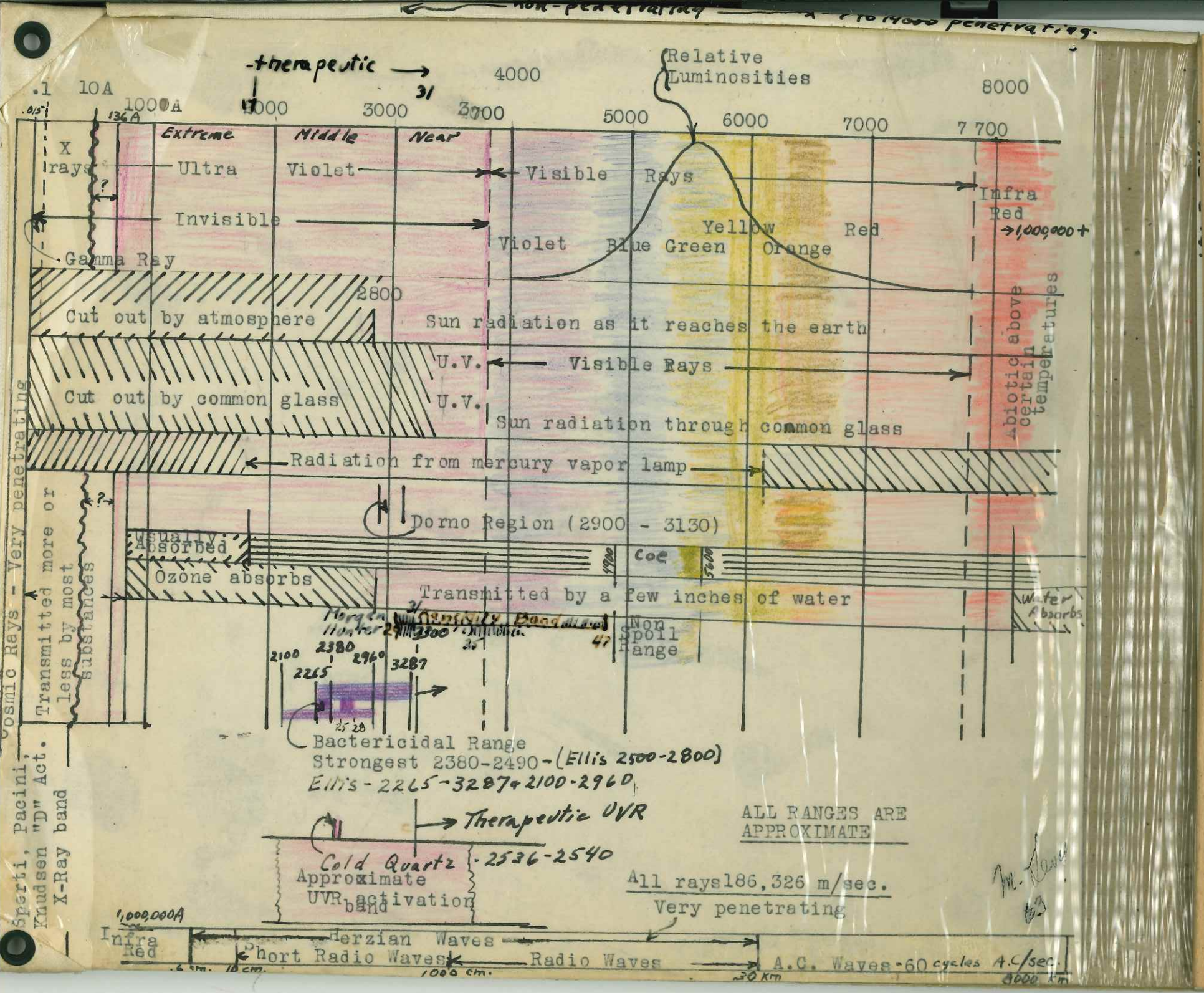


14,000 → non-penetrating heat


-therapeutic
Relative Luminosities
.1
10A
1000A
1360A
4000
8000
Extreme
Middle
Near
X rays
Ultra
Violet
Visible Rays
Infra Red
Invisible
Violet
Blue
Green
Yellow
Orange
Red
Gamma Ray
2800
Cut out by atmosphere
Sun radiation as it reaches the earth
U.V.
Visible Rays
Cut out by common glass
Sun radiation through common glass
Radiation from mercury vapor lamp
Dorno Region (2900 - 3130)
Usually Absorbed
Ozone absorbs
Transmitted by a few inches of water
Non Spoil Range
2100
2380
2960
3287
2265
Bactericidal Range
Strongest 2380-2490 - (Ellis 2500-2800)
Ellis - 2265-3287 + 2100-2960
Therapeutic UVR
Cold Quartz
2536-2540
Approximate UVR activation band
ALL RANGES ARE APPROXIMATE
All rays 186,326 m/sec.
Very penetrating
Cosmic Rays - Very penetrating
Transmitted more or less by most substances
Sperti, Pacini, Knudsen "D" Act.
X-Ray band
1,000,000A
Infra Red
Herzian Waves
Short Radio Waves
Radio Waves
A.C. Waves - 60 cycles A.C/sec.
.6 cm.
10 cm.
1000 cm.
30 Km
3000 Km

Div. 63

Handle with Care